

EXPLANATION

SEDIMENTARY ROCKS

Qsg

Stream gravels of blue and gray color, including outwash from existing glaciers

Qt

Terrace gravels (Stream-laid gravel, sand, and silt, in part outwash from former glaciers.)

Qgm

Glacial morainal material

Tn

Nenana gravel (Loosely consolidated high gravels and sands, of yellow or buff color, locally tilted.)

Tcb

Coal-bearing formation (Soft sandstones, clays, and gravels, generally light colored and locally containing lignite.)

Tc

Cantwell formation (Dark-colored conglomerates, sandstones, grits, and shales, with some carbonaceous material.)

UNCONFORMITY

ts

Totatlanika schist (Quartz-feldspar schists and gneisses with some metamorphosed black carbonaceous slates and some limestone.)

tz

Tonzona group (Black argillites, slates, and phyllites, with some schist, graywacke, and chert.)

ta

Tatina group (Black slates and argillites, with some graywacke, thin-bedded limestone, shale, sandstone, and chert.)

bcs

Birch Creek schist (Micaceous and quartzitic schists and phyllites, with some metamorphosed igneous material.)

IGNEOUS ROCKS

I

Intrusive and extrusive rocks

x

Gold placer mine

o

Gold lode prospect

□

Antimony prospect

QUATERNARY

TERTIARY

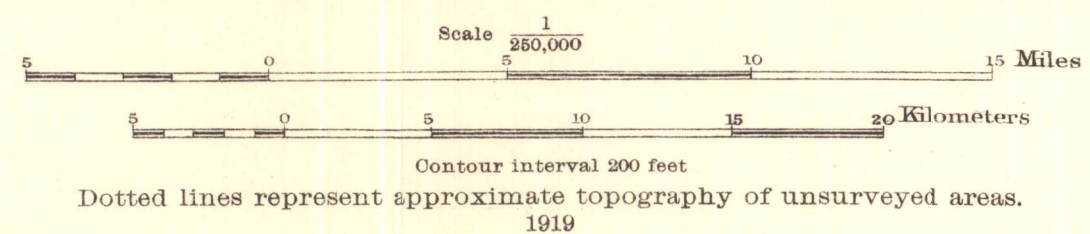
SILURIAN OR DEVONIAN

PRE-ORDOVICIAN ORDOVICIAN (?)

PRE-ORDOVICIAN TO TERTIARY

Alfred H. Brooks, Geologist in charge of division.
 Topography and control by C. E. Giffin, J. W. Bagley,
 R. B. Oliver, and D. C. Witherspoon.
 Land surveys and included topography by General Land Office.
 Geodetic position by General Land Office and
 U. S. Coast and Geodetic Survey.
 Railroad location and survey of Nenana River by
 Alaskan Engineering Commission (railroad under construction).
 Datum of C. E. Giffin area is mean lower low water, Portage Bay,
 derived from elevations by Alaskan Engineering Commission.
 Elevations of other portions as previously published.
 Surveyed in 1906, 1910, 1913, and 1916.

GEOLOGIC RECONNAISSANCE MAP OF NENANA-KANTISHNA REGION, ALASKA



ANDERSON BALTIMORE, MD.

Geology by A. H. Brooks,
 L. M. Prindle, and S. R. Capps.
 Surveyed in 1902, 1906, and 1916.